### ****4. Class (Static) Variables****

* **Class (Static) Variables**:
  + A **static variable** (also known as a class variable) is declared with the static keyword and belongs to the class rather than any specific object. All instances of the class share the same value of the static variable.
  + **Properties**:
    - Static variables are shared by all instances of a class.
    - They are initialized when the class is first loaded, and their value persists across all objects.
  + **Example**:

class MyClass {

static int staticVar = 100; // static variable

}

System.out.println(MyClass.staticVar);   
// Accessing the static variable via the class name

* **Difference**:
  + Unlike instance variables, which are unique to each object, static variables are shared by all objects of the class.